Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	08/01/2017 10:34 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124238	-1	1.16	124137	1.12
Blue	F	SSC	125000	122835	-2	2.42	123210	2.19
Blue	E	FITC	23795	22883	-4	2.52	1015	10.69
Blue	D	PE	29673	28948	-3	1.92	1038	10.07
Blue	B	PerCP-Cy5-5	48943	47634	-3	3.32	1372	17.69
Blue	A	PE-Cy7	44112	44369	0	5.15	685	36.27
Red	C	APC	54273	53463	-2	2.72	3097	9.59
Red	A	APC-Cy7	54945	53629	-3	2.74	1112	11.40
Violet	B	V450	15756	15062	-5	4.06	722	9.08
Violet	A	V500	62569	60885	-3	3.71	2694	6.51

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19677	2.74	612	-2	N/A	N/A	Pass
Blue	F	SSC	60924	1.45	542	-4	N/A	N/A	Pass
Blue	E	FITC	115	39.20	549	-1	0.0189	126	Pass
Blue	D	PE	228	29.31	546	0	0.1479	221	Pass
Blue	B	PerCP-Cy5-5	214	46.96	637	-2	0.0091	86	Pass
Blue	A	PE-Cy7	73	126.69	696	-3	0.0115	22	Pass
Red	C	APC	363	27.74	600	0	0.0194	42	Pass
Red	A	APC-Cy7	121	41.34	578	-6	0.0053	1523	Pass
Violet	B	V450	87	41.27	471	-1	0.0436	1625	Pass
Violet	A	V500	197	22.34	499	0	0.0135	195	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	08/01/2017 10:34 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.44	-30.95	0.90
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	17.63	13.27 - 19.91	N/A	N/A	30.92	31.55	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 14612

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments